

# Recovery Plan Action Status

Plan Name: Morefield's Leather-flower

Plan Status: Final

Plan Date: 03-May-94

Lead Agency: USFWS

Lead Office: Tennessee Ecological Services Field Office

(98.0)

528-6481 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Morefield's leather flower (Clematis morefieldii)	1	1	Ensure protection of publicly-owned sites	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, Alabama Natural Heritage Program , U.S. Fish and Wildlife Service, Habitat Conservation Program, USFWS Regional Office 4, Huntsville Land Trust, City of Huntsville Planning Division	Acquisition: Management Agreement, Management: Land Use, Management: Planning	Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert	Responsible Parties' column: TNC (Alabama Field Office)
Morefield's leather flower (Clematis morefieldii)	3	10	Genetic analyses	Partially Complete	FY 2006		U.S. Fish and Wildlife Service, Endangered Species Division, Contractor, USFWS Regional Office 4	Research: Genetics	Contract, Graduate Student, Internal Administrative, Internal Field Assistance	
Morefield's leather flower (Clematis morefieldii)	3	11	Determine viable population parameters	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Alabama Natural Heritage Program , USFWS Regional Office 4	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	To be completed after completion of other tasks. Estimated cost of 5K
Morefield's leather flower (Clematis morefieldii)	3	12	Preserve genetic stock	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Center for Plant Conservation, USFWS Regional Office 4	Other	Contract, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	

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Morefield's leather flower (Clematis morefieldii)	3	13	Establish additional populations	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Center for Plant Conservation, Alabama Natural Heritage Program , USFWS Regional Office 4	Research: Reintroduction	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Necessity of task to be determined at a later date
Morefield's leather flower (Clematis morefieldii)	3	14	Public education efforts	Unknown	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, Center for Plant Conservation, Alabama Natural Heritage Program , USFWS Regional Office 4, Huntsville Land Trust, City of Huntsville Planning Division	Other: Information and Education	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	'Responsible Parties' column: TNC (Alabama Field Office)
Morefield's leather flower (Clematis morefieldii)	1	2	Secure plants on private lands	Ongoing Not Current	FY 2000 - FY 2004	FY 2020	U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, Alabama Natural Heritage Program , U.S. Fish and Wildlife Service, Habitat Conservation Program, USFWS Regional Office 4	Acquisition: Easement, Acquisition: Fee Title, Acquisition: General, Acquisition: Lease, Acquisition: Management Agreement, Management: Land Use, Management: Planning, Other: Regulations	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	TNC, Alabama Conservancy, established Keel Mountain Preserve in 2001, protecting one of the largest populations of this species
Morefield's leather flower (Clematis morefieldii)	1	3	search for additional populations	Ongoing Current	FY 2000 - FY 2004	FY 2012	U.S. Fish and Wildlife Service, Endangered Species Division, Tennessee Department of Environment and Conservation, Alabama Natural Heritage Program , Contractor, USFWS Regional Office 4	Research: Population Surveys	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	

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Morefield's leather flower (Clematis morefieldii)	2	4	Gather baseline data on populations and habitat	Ongoing Current	FY 2000 - FY 2004	FY 2010	U.S. Fish and Wildlife Service, Endangered Species Division, Alabama Natural Heritage Program , Contractor, USFWS Regional Office 4	Research: Habitat Requirements, Research: Habitat Status, Research: Population Surveys	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Morefield's leather flower (Clematis morefieldii)	2	5	Conduct periodic monitoring	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Endangered Species Division, Alabama Natural Heritage Program , Contractor, USFWS Regional Office 4	Research: Habitat Status, Research: Other Information, Research: Population Surveys	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Morefield's leather flower (Clematis morefieldii)	2	6	Investigate management techniques	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Alabama Natural Heritage Program , Contractor, USFWS Regional Office 4	Management: Habitat Maintenance and Manipulation	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Cost will vary/year depending on treatment. Total estimated for task is 25k. Task duration: 5-10 years
Morefield's leather flower (Clematis morefieldii)	2	7	Demographic studies	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Alabama Natural Heritage Program , Contractor, USFWS Regional Office 4	Research: Demographic Studies	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Morefield's leather flower (Clematis morefieldii)	2	8	Study reproduction and pollination biology	Ongoing Current	FY 2008	FY 2010	U.S. Fish and Wildlife Service, Endangered Species Division, Alabama Natural Heritage Program , Contractor, USFWS Regional Office 4	Research: Other Information	Graduate Student	initiated in fy 08..auburn university
Morefield's leather flower (Clematis morefieldii)	2	9	Seed biology and seed germination studies	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Center for Plant Conservation, USFWS Regional Office 4	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	